



SEQUENCE LISTING

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KANAMORI, Yasushi

<120> A Novel Higher-Order Structure With Promoting Translation Activity

<130> 3190-015

<140> US 10/088,750
<141> 2002-03-20

<150> JP P2001-016746
<151> 2001-01-25

<150> PCT/JP01/00641
<151> 2001-01-31

<160> 19

<170> PatentIn version 3.2

<210> 1
<211> 188
<212> RNA
<213> Plautia Stali Intestine Virus

<400> 1
gacuauguga ucuuauuaaa auuagguaaa auuucgaggu uaaaaauagu uuuaauauug 60
cuauagucuu agaggucuug uauauuuaua cuuaccacac aagauggacc ggagcagccc 120
uccaaauaucu aguguacccu cgugcucgcu caaacauuaa gugguguugu gcgaaaagaa 180
ucucacuu 188

<210> 2
<211> 187
<212> RNA
<213> Himetobi P Virus

<400> 2
aaaaaugugu gaucugauua gaaguaagaa aauuccuagu uauaaauuuu uuuaauacugc 60
uacauuuuuua agacccuuag uuauuuagcu uuaccgcccc ggauggggug cagcguuccu 120
gcaauaucca gggcaccuag gugcagccuu guaguuuuag uggacuuuag gcuaaagaau 180
uucacua 187

<210> 3
<211> 189
<212> RNA
<213> Drosophila C Virus

<400> 3
guuaagaugu gaucuugcuu ccuuauacaa uuuugagagg uuuaauaagaa ggaaguagug 60

cuauuuuaau aauuagguua acuauuuagu uuuacuguuc aggaugccua uuggcagccc 120
cauaauaucc aggacacccu cucugcuucu uauaugauua gguugucauu uagaauaaga 180
aaauaaccu 189

<210> 4
<211> 188
<212> RNA
<213> Cricket Paralysis Virus

<400> 4
caaaaaaugug aucuugcuug uaaaaacaaau uuugagaggua uaaaaaaauua caaguagugc 60
uaauuuuugua uuuagguuag cuauuuagcu uuacguucca ggaugccuag uggcagcccc 120
acaauaucca ggaagccuc ucugcgguuu uucagauuaag guagucgaaa aaccuaagaa 180
auuuuaccu 188

<210> 5
<211> 186
<212> RNA
<213> Triatoma Virus

<400> 5
uugacuaaugu gaucuugcuu ucguaaaaaa aucuguacau aaaagucgaa aguauugcua 60
uaguuaaggua ugcgcuugcc uauuuaggca uacuucucag gauggcgcgu ugcaguccaa 120
caagauccag ggacuguaca gaaaaauccu auaccucgag ucggguuugg aaucuaaggua 180
ugacuc 186

<210> 6
<211> 190
<212> RNA
<213> Black Queen-Cell Virus

<400> 6
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gcuaauuguug gaaucaccgu accuauuuag guuuacgcuc caagaucggu ggauagcagc 120
ccuaaucaua ucuaggagaa cugugcuau guuagaagau uagguagucu cuaaacagaa 180
caauuuaccu 190

<210> 7
<211> 175
<212> RNA
<213> Rhopalosiphum Padi Virus

<400> 7
aguguugugu gaucuugcgc gauaaaugcu gacgugaaaa cguugcguau ugcuacaaca 60
cuugguuagc uauuuuagcuu uacuaaucaa gacgccgucg ugcagccccac aaaagucuag 120

auacgucaca ggagagcaua cgcuaggucg cguugacuau ccuuauauau gaccu 175

<210> 8
<211> 29
<212> DNA
<213> Artificial

<220>
<223> The sequence was synthesized for use as a forward primer.

<400> 8
ggttaaattt caggtaaaaa attgctata 29

<210> 9
<211> 35
<212> DNA
<213> Artificial

<220>
<223> The sequence was synthesized for use as a reverse primer.

<400> 9
cctcgaaattt taaccagatc acatagtcag ctttc 35

<210> 10
<211> 281
<212> RNA
<213> Unknown

<220>
<223> The sequence is used only to illustrate secondary structures predicted by a computer program, MFOLD, as shown in Fig. 3.

<400> 10
cgugucgaa guagaauuuc uaucucgaca cgcgccuuc caagcaguua gggaaaccga 60
cuucuuugaa gaagaaagcu gacuauguga ucuuauuaaa auuggauuaa auuucgaggu 120
uaauaaaaagu uuuuaauauug cuauagucuu agaggucuug uauauuuaua cuuaccacac 180
aagauggacc ggagcagccc uccaaauaucu aguguacccu cgugcucgcu caaacauuaa 240
gugguguugu gcgaaaagaa ucucacuuca agaaaaagaa u 281

<210> 11
<211> 16
<212> RNA
<213> Unknown

<220>
<223> The sequence is used only to illustrate aspects of higher order structures on protein synthesis in Fig. 8A.

<400> 11
aacauuaagu gguguu 16

<210> 12
 <211> 16
 <212> RNA
 <213> Unknown

<220>
 <223> The sequence is used only to illustrate aspects of higher order structures on protein synthesis in Fig. 8A.

<400> 12
 aacauugggu gguguu

16

<210> 13
 <211> 200
 <212> RNA
 <213> Plautia Stali Intestine Virus

<400> 13
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60

cuauagucuu agaggucuug uauauuuaua cuuaccacac aagauggacc ggagcagccc

120

uccaauuaucu aguguacccu cgugcucgcu caaacauuaa gugguguugu gcgaaaagaa

180

ucucacuuca agaaaaagaa

200

<210> 14
 <211> 199
 <212> RNA
 <213> Himetobi P Virus

<400> 14
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uacauuuuuua agacctuuuag uuauuuagcu uuaccgcccc ggauggggug cagcguuccu

120

gcaauaucca gggcaccuag gugcagccuu guauuuuag uggacuuuag gcuaaagaau

180

uucacuagca aaauauuaau

199

<210> 15
 <211> 201
 <212> RNA
 <213> Drosophila C Virus

<400> 15
 guuaagaugu gaucuugcuu ccuuauacaa uuuugagagg uuaauaagaa ggaaguagug

60

cuaucuuuaau aauuagguaa acuauuuagu uuuacuguuc aggaugccua uuggcagccc

120

cauaauaucc aggacacccu cucugcucu uauaugauua gguugucauu uagaauaaga

180

aaauaaccug cuaacuuuca a

201

<210> 16
 <211> 200
 <212> RNA

<213> Cricket Paralysis Virus

<400> 16
caaaaaaugug aucuugcuug uaaaauacaau uuugagaggua uaauaaaaaa caaguagugc 60
uaauuuuuugua uuuagguaag cuauuuagcu uuacguucca ggaugccuag uggcagcccc 120
acaauaucca ggaagcccuc ucugcgguuu uucagauuaag guagucgaaa aaccuaagaa 180
auuuaccugc uacauuucaa 200

<210> 17

<211> 198

<212> RNA

<213> Triatoma Virus

<400> 17

uugacuaaugu gaucuugcuu ucguaaaaaa aucuguacau aaaagucgaa aguauugcua 60
uaguuaaggu ugcgcuugcc uauuuaggca uacuucucag gauggcgcgu ugcaguccaa 120
caagauccag ggacuguaca gaauuuuccu auaccucgag ucggguuugg aaucuaaggu 180
ugacucgcug uaaaaaaau 198

<210> 18

<211> 202

<212> RNA

<213> Black Queen-Cell Virus

<400> 18

ccaacaauugu gaucuugcuu gcggaggcaa aauuugcaca guauaaaauc ugcaaguagu 60
gcuauuguug gaaucaccgu accuauuuag guuuacgcuc caagaucggu ggauagcagc 120
ccuaucaaaa ucuaggagaa cugugcuaug uuuagaagau uagguagucu cuaaacagaa 180
caauuuaccu gcugaacaaa uu 202

<210> 19

<211> 187

<212> RNA

<213> Rhopalosiphum Padi Virus

<400> 19

aguguugugu gaucuugcgc gauaaaugcu gacgugaaaa cguugcguau ugcuacaaca 60
cuugguuagc uauuuagcuu uacuaaucaa gacgccgucg ugcagcccac aaaagucuag 120
auacgucaca ggagagcaua cgcuaggucg cguugacuau ccuuauauau gaccugcaaa 180
uauaaac 187